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UTILITY
PATENT APPLICATION
TRANSMITTAL

| Attorney Docket No. | | No. | 2002P10620US |
|---------------------|-------|------|------------------------------------------|
| First Inventor De | | De | tlef Haje |
| | STEAM | TURE | BINE ROTOR, STEAM TURBINE AND METHOD FOR |

Title STEAM TURBINE ROTOR, STEAM TURBINE AND METHOD FOR ACTIVELY COOLING A STEAM TURBINE ROTOR AND USE OF ACTIVE COOLING

| | | | | L | ACTI | VE COOLIN | G | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|--|--|
| (Only for new r | nonprovisiona | l applications under 3 | 7 C.F.R. 1.53(b) | E | Express Mail l | abel No. | ER 716483764 | US | | |
| APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents. | | | | | ADDRESS TO: Commissioner for Patents Mail Stop Patent Application P.O. Box 1450 Alexandria VA 22313-1450 | | | | | |
| 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages 31] (preferred arrangement set forth below) - Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) | | | | | Alexandria VA 22313-1450 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R. 3.73(b) Statement Power of (when there is an assignee) Attorney | | | | | |
| - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C.113) [Total Sheets 6] 5. Oath or Declaration [Total Sheets 3] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) (for a continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76 | | | | | 12. \(\) 13. \(\) 14. \(\) 15. \(\) 16. \(\) 17. \(\) | Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. | | | | |
| or in an Applica Continuat Prior applicat For CONTINUAT under Box 5b, is | 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No:/ Prior application information: Examiner Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. | | | | | | | | | |
| | | | 19. CORRI | SPO | NDENCE A | DDRESS | | | | |
| ☐ Customer Number or Bar Code Label (Insert Customer No. or Att | | | | | ttach bar cod | or Correspondence address below | | | | |
| Name SIEMENS CORPORATION | | | | | | | | | | |
| Address INTELLECTUAL PROPERTY DEPT. | | | | | | | | | | |
| 170 WOOD AVENUE SOUTH | | | | | | | | | | |
| City ISELIN State | | | | | NJ | | Zip Code | 08830 | | |
| Country USA Telephone | | | | | 732-321-3 | 3026 | Fax | 732-321-3014 | | |
| Name (Print/1 | Туре) | John P. Musone | | | Registratio | n No. (Atto | rney/Agent) | 44,961 | | |
| Signature // // // | | | 7.00 | | | | Date | February 5, 2004 | | |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

020504

020504

| FFF TO ANOMITTAL | Complete if Known | | | | |
|-------------------------------------------------------------------|----------------------|-------------------|--|--|--|
| FEE TRANSMITTAL | Application Number | TO BE ASSIGNED | | | |
| for FY 2004 | Filing Date | February 5 , 2004 | | | |
| 5% to 10/1/2000 D. h. () | First Named Inventor | Detlef Haje | | | |
| Effective 10/01/2003. Patent fees are subject to annual revision. | Examiner Name | TO BE ASSIGNED | | | |
| ☐ Applicant claims small entity status. See 37 CFR 1.27 | Art Unit | TO BE ASSIGNED | | | |
| TOTAL AMOUNT OF PAYMENT (\$) 860 | Attorney Docket No. | 2002P10620US | | | |

| TOTAL AMOU | 360 | Attorney Docket No. 2002P10620US | | | | | | | | |
|------------------------------------------------------------------------------------------------|------------------------------|------------------------------------|-------------------------|-------------|-----------------------------|-------------------------------------|----------|----------------------------------------------------------------------------|--|--|
| METHOD OF PAYMENT (check all that apply) | | | | | FEE CALCULATION (continued) | | | | | |
| ☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None | | | | | 3. ADDITIONAL FEES | | | | | |
| Order | | | | | Large Entity Small Entity | | | | | |
| ☑ Deposit Account: | | | | | | | | | | |
| Deposit | | Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid | | | |
| Account | | 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | | | | |
| Number | | | | 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet. | | |
| Deposit | C: C- | | | 1053 | 130 | 1053 | 130 | Non-English specification | | |
| Account Name | Siemens Co | orporation | | 1812 | 2,520 | 1812 | 2,520 | For filing a request for reexamination | | |
| The Director is au | | | | 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | | |
| | litional fee(s) duri | ing the pendenc | y of this application | 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | | |
| Charge fee(s) in to the above-identi | | | ing fee | 1251 | 110 | 2251 | 55 | Extension for reply within first month | | |
| to the above-lucitor | | CULATION | | 1252 | 420 | 2252 | 210 | Extension for reply within second month | | |
| 1. BASIC FI | LING FEE | | | 1253 | 950 | 2253 | 475 | Extension for reply within third month | | |
| Large Entity 5 | Small Entity | Description | | 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month | | |
| | ee Fee <u>Fe</u> ode (\$) | e Description | Fee Paid | 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month | | |
| | , | tility filing fee | 770 | 1401 | 330 | 2401 | 165 | Notice of Appeal | | |
| | | esign filing fee | | 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal | | |
| 1003 530 2 | | ant filing fee | | 1403 | 290 | 2403 | 145 | Request for oral hearing | | |
| 1004 770 2 | 004 385 Re | eissue filing fee | | 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | | |
| 1005 160 2 | 005 80 Pr | rovisional filling fe | e | 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | | |
| | SUBTOTAL (| (1) | (\$) 770 | 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional | | |
| | | | | 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) | | |
| 2. EXTRA CLA | | | | 1502 | 480 | 2502 | 240 | Design issue fee | | |
| | | Extra Fee Claims belo | from Fee | 1503 | 640 | 2503 | 320 | Plant issue fee | | |
| Total Claims 25 | | | | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | | |
| Independent | ⊣ ⊢ | | | 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17 (q) | | |
| Claims 3 | -3** = 0 | X 86 | = 0 | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | | |
| Multiple Dependent Large Entity | Small Entity | x | = 0 | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | | |
| Fee Fee Code (\$) | Fee Fee Code (\$) | Fee Description | <u>on</u> . | 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR § 1.129(a)) | | |
| 1202 18 | 2202 9 | Claims in exce | ss of 20 | 1810 | 770 | 2810 | 385 | For each additional invention to be | | |
| 1201 86 | 2201 43 | Independent cl | aims in excess of 3 | | | | | examined (37 CFR § 1.129(b)) | | |
| 1203 290 | 2203 145 | Multiple depen | dent claim, if not paid | 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) | | |
| 1204 86 | 2204 43 | ** Reissue inde original patent | ependent claims over | 1802 | 900 | 1802 | 900 | Request for expedited examination | | |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent over original patent | | | | | | | | | | |
| | | | | Other fe | e (specif | y) | | | | |
| SUBTOTAL (2) (\$) 90 | | | | | ed by Ba | sic Filing | ree Pa | aid SUBTOTAL (3) (\$) 0 | | |
| **or number previously paid, if greater; For Reissues, see above | | | | 0000 | , <i>-</i> a | m. 15 | , | (4) (| | |
| | | | | | | | | | | |

| SUBMITTED BY Complete (if applicable) | | | | | | | | |
|---------------------------------------|----------------|--------------------------------------|--------|-----------|-------------------|--|--|--|
| Name (Print/Type) | John P. Musone | Registration No. (Attorney/Agent) | 44,961 | Telephone | 407-736-6449 | | | |
| Signature | Ul Mun | | | Date | February 5 , 2004 | | | |

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